

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 Claim 1 (original): A camera comprising:
2 a photographing optical system which forms
3 an optical image
4 of an object;
5 a photoelectric conversion element which converts
6 the optical image into an electric signal;
7 an optical element arranged between the
8 photographing optical system and the photoelectric
9 conversion element; and
10 vibration means which vibrates the optical element
11 first at one of at least two frequencies and then at the
12 other frequency, said frequencies being close to
13 resonance frequencies.

1 Claim 2 (original): The camera according to claim 1,
2 wherein the vibration means vibrates the optical element
3 first at a low-order resonance frequency and then at a
4 high-order resonance frequency.

Claim 3 (canceled)

1 Claim 4 (original): A camera comprising:
2 a photographing optical system which forms
3 an optical image of an object;
4 an imaging element which converts the optical image
5 into an electric signal;

6 a dust filter arranged between the photographing
7 optical system and the imaging element;
8 a piezoelectric element which vibrates the dust
9 filter;
10 a drive circuit which drives the piezoelectric
11 element; and
12 a control circuit which outputs control signals for
13 driving and controlling the drive circuit,
14 wherein the control circuit first outputs a control
15 signal for causing the dust filter to undergo a low-order
16 resonance vibration and then a control signal for causing
17 the dust filter to undergo a high-order resonance
18 vibration.

Claim 5 (canceled)

1 Claim 6 (original): The camera according to claim 4,
2 wherein the low-order resonance vibration is primary
3 vibration having one node, and the high-order resonance
4 vibration is secondary vibration having two nodes.

1 Claim 7 (currently amended): The camera according to
2 claim 5 2, wherein the low-order resonance vibration is
3 primary vibration having one node, and the high-order
4 resonance vibration is secondary vibration having two
5 nodes.

Claim 8 (canceled)

1 Claim 9 (original): A camera comprising:

2 a photographing optical system which forms
3 an optical image of an object;
4 imaging means which converts the optical image into
5 an electric signal;
6 an optical element arranged between the
7 photographing optical system and the imaging means;
8 vibration means which causes the optical element to
9 undergo standing-wave vibration,
10 wherein vibration means vibrates the optical element
11 such that the number of vibration nodes changes with
12 time.

1 Claim 10 (original): The camera according to claim 9,
2 wherein the vibration means vibrates the optical element
3 such that the number of vibration nodes increases with
4 time.

Claim 11 (canceled)

1 Claim 12 (original): A camera in which an optical image
2 of an object is formed on a light-receiving surface of
3 an imaging element, via a photographing optical system,
4 wherein a dust filter is arranged in front of
5 the imaging element, the dust filter is vibrated,
6 sequentially at frequencies close to the resonance
7 frequencies of the dust filter, thereby to remove dust
8 and the like from a surface of the dust filter.